Gold Ore

DIGESTION OF A GOLD ORE USING COLDBLOCK™ DIGESTION TECHNOLOGY
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Introduction

This application note will focus on the digestion of a Gold Ore using ColdBlock™ Digestion CB12L Technology.

Method

A sample of Gold Ore was digested using the following method:

- 30g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 40ml of inverse Aqua Regia (1:3 HCL:HNO_3) was added.
- Sample was digested at 100% power for 15min.
- The chiller was set to -5^{0}C.
- Sample was allowed to cool.
- Sample was normalized to 200mL using 2% HCl + 1% L-cysteine

Instrument

ColdBlock ™ Digestion CB12L Technology.

General

For samples rich in Sulphur add HNO_3 slowly first.

For samples high in silver, normalize to 200ml using 20% HCl + 1% L-cysteine.

This procedure is specific for the sample digested and may need modification for different samples to achieve the desired result.